

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Thumpudi et al.
Application No.

Art Unit: Not yet assigned

Filed: August 15, 2003

For: QUANTIZATION AND INVERSE
QUANTIZATION FOR AUDIO

Examiner: Not yet assigned

Date: August 15, 2003

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)

MAIL STOP PATENT APPLICATION
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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in § 1.491 in an international application, before the mailing date of a first Office action on the merits, or before the mailing of a first Office action after the filing of request for continued examination under § 1.114. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A


duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in Rule 56.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Attorney Docket Number	3382-65134
		Application Number	Not yet assigned
		Filing Date	August 15, 2003
		First Named Inventor	Thumpudi
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
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		Stuart et al., "Lossless Compression for DVD-Audio," in <i>AES 9th Regional Convention Tokyo</i> , 4 pp. (1999).	
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		Davis, "The AC-3 Multichannel Coder," Dolby Laboratories, 9 pp. (Downloaded from the World Wide Web on August 15, 2002).	
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		ITU, Recommendation ITU-R BS 1115, Low Bit-Rate Audio Coding, 9 pp. (1994).	
		Solari, <u>Digital Video and Audio Compression</u> , Title Page, Contents, "Chapter 8: Sound and Audio," McGraw-Hill, Inc., pp. iii, v-vi, and 187-211 (1997).	
		"ATSC Standard: Digital Audio Compression (AC-3), Revision A," 140 pp. (August 2001).	
		Chen et al., U.S. Patent Application Serial No. 10/017,702, entitled, "Quantization Matrices for Digital Audio," filed December 14, 2001.	

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* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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		Chen et al., U.S. Patent Application Serial No. 10/017,861, entitled, "Techniques for Measurement of Perceptual Audio Quality," filed December 14, 2001.	
		Chen et al., U.S. Patent Application Serial No. 10/020,708, entitled, "Adaptive Window-Size Selection in Transform Coding," filed December 14, 2001.	
		Chen et al., U.S. Patent Application Serial No. 10/016,918, entitled, "Quality Improvement Techniques in an Audio Encoder," filed December 14, 2001.	
		Chen et al., U.S. Patent Application Serial No. 10/017,694, entitled, "Quality and Rate Control Strategy for Digital Audio," filed December 14, 2001.	

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U.S. PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Number	Date	Name	
		5,845,243	12.01.98	Smart et al.	
		5,995,151	11.30.99	Naveen et al.	
		6,115,689	09.05.00	Malvar	
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Examiner's Initials*	Cite No. (optional)	Number	Date	Country	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS			
		Yang et al., "An Inter-Channel Redundancy Removal Approach for High-Quality Multichannel Audio Compression," in <i>AES 109th Convention</i> , Los Angeles, California, 8 pp. (September 2000).			
		Wang et al., "A Multichannel Audio Coding Algorithm for Inter-Channel Redundancy Removal," in <i>AES 110th Convention</i> , Amsterdam, the Netherlands, 6pp. (May 2001).			
		Yang et al., "Adaptive Karhunen-Loeve Transform for Enhanced Multichannel Audio Coding," Proc. SPIE Vol. 4475, 13 pp., Mathematics of Data/Image Coding, Compression, and Encryption IV San Diego, CA. (July 29 - August 3, 2001).			
		Vaidyanathan, <i>Multirate Systems and Filter Banks</i> , Prentice Hall Signal Processing Series, Cover page, pp. 745-751 (1992).			
		"MPEG2 Audio for DVD: the Compromise Choice," 5 pp. (October 1996).			
		Edler et al., "Perceptual Audio Coding Using a Time-Varying Linear Pre- and Post-Filter," in <i>AES 109th Convention</i> , Los Angeles, California, 12 pp. (September 2000).			

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